

QUARTERLY REPORT: 2nd QTR FY 2003 (Oct-Dec '02)

Contract/Project Manager: Gary P. Gauthier

EA: 65-680821

Title of Project

DEVELOPMENT OF A NEW GUARDRAIL END TREATMENT

FHWA POOLED FUND STUDY SPR 003(043)

Describe last quarter's task/deliverables.

No engineering work was done on this project last quarter—only some minor administrative work. Efforts were redirected on other tasks.

Describe next quarter's task/deliverables and their due date.

Concept I (EYE) will be modified into concept J. Concept J will be similar, but use 2 steel channel-shaped nested beams instead of the median barrier shaped elements. A preliminary finite element model exhibiting the essential concept of this design will be developed and analyzed for feasibility.

A determination on the feasibility of concept J will be made by the end of this quarter.

Are you on time with your schedule? ☐ YES Are you within budget? ☒ YES Are you on scope? ☒ YES
If no, please explain below. ☒ NO If no, please explain below. ☐ NO If no, please explain below. ☐ NO

The original concept proposed was abandoned in 1998 because to make it work more effectively required modifications that possibly would infringe a patent. It also was not a fully elastic design, and would require maintenance force intervention to completely restore it. The rebound effect was not retarded, and could cause problems.

In addition, there was a change in the principal investigator, and the project was essentially on hold for almost 2 years.

Percentage of work completed. 18 %

What is your expenditure projection for FY 2003?

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
		\$13,000	\$27,000